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Claims:

- 1) Method of design of a verifiably secure, authenticatable, and legally enforceable e-business process comprising the steps of :
 - a) analyzing the chain of events occurring in said e-business process to identify a sequence of event chain steps;
 - b) evaluating each step of said event chain for nature and level of risk in each of the following risk categories:
 - i) identity risk (who);
 - ii) information integrity risk (what);
 - iii) time-of-event risk (when);
 - iv) enforceability risk (how);
 - v) confidentiality risk (access); and
 - vi) personal information privacy risk;
 - c) mapping, for each evaluated risk level in each category, a risk mitigation segment architecture;
 - d) selecting, for each segment, at least one risk mitigation technique sufficient to provide a preselected level of risk reduction, generate a digital receipt that is independently verifiable by a trusted third party as to time, sequence and nature of said events, and provide information about said events and said architecture itself that has verifiable integrity for legal enforceability as a verifiable digital chain of trust for said e-business process.
 - 2) Method as in claim 1 wherein said segments are:
 - a) Trusted Identity Authentication (who);
 - b) Trusted Information Integrity (what);
 - c) Trusted Time (when);
 - d) Trusted Digital Receipt (how);
 - e) Trusted Access; and
 - f) Personal Information Privacy.
- 3) Method as in claim 2 wherein said Trusted Information Integrity segment comprises building blocks of:
 - a) Identity Registration;

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- b) Identity certification Life Cycle;
- c) Identity Certificate Verification; and
- d) Signature Creation Data Life Cycle.
- 4) Method as in claim 2 wherein said Trusted Information Integrity segment comprises building blocks of:
 - a) Digital Fingerprint;
 - b) Electronic Signature Creation; and
 - c) Electronic Signature Verification.
- 5) Method as in claim 2 wherein said Trusted Time segment comprises building blocks of:
 - a) Legal Time Source;
 - b) Time Synchronization; and
 - c) Time Stamping.
 - 6) Method as in claim 2 wherein said Trusted Digital Receipt segment comprises building blocks of
 - a) Identity Electronic Forensic Evidence;
 - b) Record Electronic Forensic Evidence;
 - c) Time Electronic Forensic Evidence;
 - d) Digital Receipt Electronic Forensic Evidence;
 - e) Digital Receipt Storage and Archival; and
 - f) Digital Receipt Retrieval and Verification.
- 7) Method as in claim 2 wherein said Trusted Access segment comprises building blocks of
 - a) Transmission and Receipt of Electronic Record;
 - b) Storage of Electronic Record;
 - c) Archival of Electronic record; and
 - d) Retrieval and Verification of Electronic Record.
- 8) Method as in claim 2 wherein said Personal Information Privacy segment is comprised of building blocks of:
 - a) Notice and Consent of Data Subject
 - b) Access and Openness;
 - c) Safeguard of Record;
 - d) Retention and Destruction of Record; and

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- e) Complaint and Redress.
- 9) Method as in claim 2 wherein said segments comprise a plurality of components having elements.
- 10) An Internet business method for delivery of digital trust services for e-commerce to users of e-business processes comprising:
 - a) establishing a website having secure web pages assignable to individual users; and
 - b) providing via said pages at least one of consultation, communication, services, information, education and links relating to:
 - analysis of the chain of events occurring in said e-business process to identify
 a sequence of event chain steps;
 - evaluation of at least one step of said event chain for at least one of nature and level of risk in each of the following risk categories:
 - a. identity risk;
 - b. information integrity risk;
 - c. time-of -event risk;
 - d. enforceability risk;
 - e. confidentiality risk;
 - f. privacy risk;
 - iii) mapping, for each evaluated risk level in each category, a risk mitigation segment architecture; and
 - iv) selection, for at least one selected segment, risk mitigation techniques sufficient to provide a preselected level of risk reduction, generate a digital receipt that is independently verifiable by a trusted third party as to time, sequence and nature of said events, and provide information about said events and said architecture itself that has verifiable integrity for legal enforceability as a verifiable digital chain of trust for said e-business process.